

Monday, February 25, 2019

- Warm-up

- Describe one transformation that maintains only congruence.
- Describe one transformation that maintains similarity.
- Explain how you know

Congruence — stays the same

Rotation
Reflection
Translation

Similarity — angles stay the same
consistent scale factor

Dilation
Rotation
Reflection
Translation

- Review

- PBL Groups

- choose lenses...

Objectives

Content: I will review the transformations and how to use their rules.

Social: I will have good discussions with my new group about roles.

Language: I will read questions carefully and make sure **similarity** and **congruence** are clearly defined in my notes for the test.

Review



Objectives

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PBL Groups

-Decide roles

-Deciding on
team name

- Lenses

- Advertising – how to advertise the new pricing structure
- Economist – making sure the mathematics behind maximizing profit is clear
- Market Research – examine and present the demographics of your “product”
- Social Impact – analyze the responses from the survey(s) and determine the meaning from them and how group decisions will affect various social groups

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14. A student is drawing the human skeleton to scale for a school assignment. The assignment permits the student to omit all bones under a certain size because they would be too small to draw. The longest bone in the human body is the femur, or thighbone, with an average length of 19.9 inches. The tenth longest bone is the sternum, or breastbone, with an average length of 6.7 inches.

If the scale factor of the drawing is one-eighth about how long in inches should the student draw the femur?

- A. 2
- B. 2.5
- C. 2.8
- D. 3

Exit Slip

- Choose an answer
- Explain your reasoning.
- Choose an incorrect answer, explain the mistake someone who chose that one made.

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